

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

WILCO ELECTRONIC SYSTEMS, INC
CONTINUED
WILSON

WXTV-TV
WNTJ260 RXONLY

RESPECTFULLY SUBMITTED,
COMSEARCH



MICHAEL R. ROTH
ENGINEER
TRANSMISSION PLANNING SERVICES

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

SUPPLEMENTAL SHOWING, RE: PART 94.15(b)

04/28/93

PURSUANT TO PART 94.15(b) OF THE FEDERAL COMMUNICATIONS
COMMISSION RULES AND REGULATIONS, AN ENGINEERING ANALYSIS
WAS PERFORMED BY COMSEARCH FOR:

LIBERTY CABLE CO., INC.

205 EAST 64TH -> 550 PARK AVE, 2 EAST 70TH, NY
THIRD AVE -> 12 WEST 96TH, HIGH GATE, NY
THIRD AVE -> CLARIDGE, STONE HENGE, 60 EAST END, NY
WINDSOR CT -> BILTMORE PLAZA, NY

18 GHZ VIDEO MICROWAVE SYSTEM

THE RESULTS OF THE STUDY INDICATE THAT THE PROPOSED
FREQUENCIES DO NOT CAUSE INTERFERENCE CONFLICTS WITH ANY
EXISTING OR APPLIED-FOR FACILITIES IN THE AREA.

THE LICENSEES AND CALL SIGNS OF THE STATIONS CONSIDERED
IN THE ANALYSIS ARE AS FOLLOWS:

AAD MICROWAVE SERVICES CORPORATION
EMPIRE FOSTER MALTAS RXONLY

AAT COMMUNICATIONS CORPORATION
GROVES WNTF925 WNTF926 WATERT

ABC RADIO NETWORK INC
WNTF713 WNTF714 WNTI941

ABRAHAM AND STRAUS
WNEI230 WNEI231 WNEI232 WNEP365

ACC NETWORK CORPORATION
WLL906

AETNA LIFE INSURANCE COMPANY
WNTG240 WNTG241

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

ALBANY TELEPHONE COMPANY
EXCHAN WLN829 WLU913

ALLENTOWN CELLULAR TELEPHONE COMPANY
WLC579 WLV396 WLV417

AMERICAN CELL. NET. CORP. DBA COMCAST CE
EDISON LAWREN PISCAT TRENTO WLU865 WLU866
WLV388

AMERICAN SATELLITE COMPANY
KFN77 WLT371

AMICA MUTUAL INSURANCE CO C/O NEW ENG DI
LINCOL WNTJ593 WNTJ594 PROVID

ASSOCIATED PRESS - CTS ENGINEERING
WNEU726 WNEU727 WNEU728

AT&T COMMUNICATIONS
NASHUA WJM60

BOLT BERANEK AND NEWMAN INC
WNEK843 WNES254

BOSTON EDISON COMPANY
KCE54 KQV46 MASSA WIA243

CABLE SCIENCE CORPORATION
12161F 12205F 12399F 1BAYCL 225VAN 675LIN
902DRE

CANTON CELLULAR TELEPHONE - PENNSYLVANIA
WLU914 WMJ532

CARL COMPANY
WNEW501 WNEW517

CELLULAR OF UPSTATE NEW YORK
WLR257 WLR261

CELLULAR TELEPHONE COMPANY OF NEW YORK
NORTHV OYSTER PLAINV RIVERH

CHANNEL 13 TELEVISION
60WASH RXONLY

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

CHANNEL 20 LICENSEE INC
WNEC213 WNEY957 WNTB844 RECEIV

CHASE MANHATTAN BANK
WNEE314 WNEE315 WNEF312 WNEF313 WNEI297

CITY UNIVERSITY OF NEW YORK
MEDGAR MEDOLD

COLUMBIA UNIVERSITY
WEH950 WEH951

COMDISCO DISASTER RECOVERY SERVICE
WNEW385 WNEW386 WNEW387

COMMUNITY HOME ENTERTAINMENT
DARROW RXONLY

COMPUGRAPHIC
WNEE816 WNEE817

CONNECTICUT BANK AND TRUST COMPANY
WGY428 WGY429

CONNECTICUT LIGHT AND POWER COMPANY
KCH90 KYX94 WNEO535 WNEO536 WNEO537 WNEW710
WNEW711 WGX602

CONNECTICUT PUBLIC BROADCASTING, INC.
AVON FARMIN GLASTO HARTFO WLI722 WLI726

CONSOLIDATED EDISON COMPANY OF NEW YORK
4IRVIN WNEK492 WNEQ666 WNEQ667 WNER861 WNTM742
WNTM743 WGY376 WGY378

CONSOLIDATED RAIL CORPORATION
WNTH266 WNTH267 WNTH268

CORP. SATELLITE COMMUNICATIONS INC (CSC)
WNTB677 WHO628

DELMARVA POWER & LIGHT CO.
WNEQ347 WNTK378 WED963 WJI79

DIGICOM INC
WLM419 WLN220

DOW JONES AND COMPANY, INC.
WNTI382 WNTI383

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

EBASCO SERVICES, INC.
WEE641 WGY475

EDUCATIONAL BROADCASTING COMPANY
WNEY441 RXONLY

ELECTRONIC DATA SYSTEMS, INC.
WNEH993 WNTI749

EMI COMMUNICATIONS CORPORATION					
WAU262	WDU469	WFY661	WHE540	WHE558	WHS952
WHT309	WLB733	WLN513	WLT684	WLU258	

FAIRCHILD COMM NETWORK MNGMT CO
APCITR AT&TLA

FIRST BOSTON CORPORATION			
WNEN277	WNEV671	WNTI612	WNTI613 WNTI614

FIRST NATIONAL BANK OF BOSTON
KYW57 WNEG431

FIRST NATIONAL BANK OF MARYLAND				
WNET904	WNET905	WNET910	WNEV845	SPARRO

FRANKLIN COUNTY OF
164HIG OLDALB

GREENWICH POLICE DEPARTMENT			
WNTN531	WNTN532	WNTN533	WNTN534 WNTN535

GROUP W TELEVISION / WJZ TV			
WNER697	WNTL882	RXONLY	WDT919

GRUMMAN AEROSPACE CORPORATION					
BLDG11	KEF55	WGY415	WGY417	WHJ314	WOODB

HARRISBURG CELLULAR TELEPHONE COMPANY
WLU931 WLV546

HUDSON VALLEY COMMUNITY COLLEGE
WNTI381 RXONLY

IBM RESEARCH AND DEVELOPMENT, INC.			
WNEK528	WNTG324	WEG929	WHI472

INTERACTIVE MEDIA SERVICES			
51MERC	BROADH	BROOKV	WNEW734 WNEW736 WNEW737

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

INTERACTIVE MEDIA SERVICES
CONTINUED

WNEW797 WNTI967

LAUREL RACETRACK
HAYWAR NROLLI

LAWRENCE SCHOOL DISTRICT
WNTJ655 WNTJ656

LEVER BROTHERS
WNEI491 WNEI492 WNEI493

LIZ CLAIBORNE, INC.
119W40 WNEX680 WNEX683 WNEX684

LOCAL AREA TELECOMMUNICATIONS INC

PAVONI	REPUBL	TEMP03	TEMP04	TEMP09	TEMP10
VESEY	WF CEN	WHC978	WHD272	WHO845	WHO846
WHT458	WLA804	WLA805	WLA810	WLA811	WLA812
WLA817	WLB904	WLB905	WLK608	WLK609	WLK610
WLK611	WLK700	WLK701	WLK703	WLK739	WLK899
WLL461	WLL528	WLL529	WLL554	WLL555	WLL556
WLL557	WLL949	WLL950	WLM209	WLM301	WLM317
WLM318	WLM319	WLM744	WLM881	WLM939	WLN303
WLN304	WLN305	WLN366	WLN367	WLN397	WLN617
WLN618	WLN622	WLN623	WLN703	WLN704	WLN708
WLN735	WLN936	WLN937	WLN940	WLR227	WLR228
WLR229	WLR286	WLR287	WLR288	WLR299	WLR420
WLR424	WLS541	WLS542	WLT454	WLT487	WLT537
WLT538	WLT539	WLT558	WLT559	WLT560	WLT561
WLT562	WLT811	WLT812	WLT813	WLT814	WLT847
WLT848	WLT903	WLT904	WLT905	WLT906	WLU525
WLU527	WLU529	WLU569	WLU570	WLU637	WLU638
WLV389	WLV416	WLV420	WLV444	WLV659	WMK348
WMK349					

LONG ISLAND RAILROAD COMMUNICATIONS DEP
WNEO505 WNEO507 WNEO508

MALRITE
WNEG653 WNEI922

MARYLAND STATE OF MASS TRANSIT ADMIN
WNES290 WPREST

MCGRAW HILL, INC. NET ENG N-1
WNEP966 WNEP967 WNEP968 WNEP969 WHK716

MCI TELECOMMUNICATIONS CORPORATION
WGX497 WLL859

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

MEDICAL COLLEGE OF PENNSYLVANIA
WNEN916 WNEN917

METRO CABLE SYSTEMS, INC.
1820 CC DK

METRO MOBILE CTS OF FAIRFIELD COUNTY
WML706 WML800 WML801 WML802 WML803

METROMEDIA COMMUNICATIONS CORPORATION
E RUTH WAH493 WHQ712 WLB372 WLR290 WLR291

METRONET COMMUNICATIONS
WLL489 WLL490 WLW587 WLW588

METRONET INC RADIO PAGING
WLK723 WLK724

MICRO TEL OF LONG ISLAND, INC.
GLENOA LIJ MINEOL WTHE

MICROBAND CORPORATION OF AMERICA
EMPIRE RXONLY WHR520 WLC745 WMK709

MICROBAND WIRELESS CABLE OF NEW YORK, IN
MALTAS RXONLY

MICRONET, INC.
KGN31 WNTK415 WNTK416 VETERA

MICROWAVE SATELLITE TECH. - WOODSIDE

ARGYLE	BEAC12	BEAC17	BEAC21	BEAC3	BEAC5
BEAC8	BEACH	BEACH1	BEACH3	BEACH5	BEACH8
BEACHH	BRIGHT	CHELSEA	FALCON	FIESTA	FONTAI
FOUNTA	LAWREN	LUNAPA	NAUTIL	WNTM203	WNTM204
WNTM205	WNTM206	WNTM207	WNTM208	WNTM209	PATIOG
RXONLY	SHOFDR	SHOHAM	SHOJAC	SHOREH	SHOWIL
SOUTHH					

MIDLAND COMMUNICATIONS CORPORATION
WLS613 WLS614

MORGAN STANLEY
WNEU648 WNEU649

MOTOROLA C & E, INC
CORPOR MIDDLE

NASSAU, COUNTY OF POLICE DEPARTMENT
2NDPRE 3RDPRE 4THPRE 5THPRE 6THPRE 7THPRE

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

NASSAU, COUNTY OF POLICE DEPARTMENT
CONTINUED

8THPRE	FRANKL	LILCOB	MANHAS	MARINE	MEMORI
NCMC	WNTL566	WNTN298	WNTN285	WNTN289	SYOSSE
THOMAS	WATERT	WHI453	WHI456	WHI459	WHI464

NATIONAL WESTMINSTER BANK
WNEX352 WNEX353

NBC SUBSIDIARY (WNBC-TV, INC.)
RXONLY WLE370 WLE371 WLE373 WLE374 WLE375

NEW ENGLAND DIGITAL DISTRIBUTION, INC.
CANDW PRUDEN WLK709 WLK711 WLL304 WLL305
WLL306 WLM601 WLM602 WML249 WML250

NEW ENGLAND MICROWAVE INC (STORER)
WNTQ567 WNTQ568

NEW JERSEY BELL TELEPHONE COMPANY
ELIZAB ELIZER HACKE2 HACKEN KEA69 KEARNY
KEK98 KEL24 KYS29 LIVING MTOLIV NEWARK
PARAMU ROCHPK TEMP10 TEMP12 TETERB TOTOWA
TRENT2 TRENT4 WAYNE WBB307 WEEHAW WHIPP
WLM594 WLM595 WLM780 WLR525 WPY24

NEW JERSEY INTERCAMPUS NETWORK, INC.
7 GEIG HERITA MONTCL RUTGER RXONLY SCOTT
STEVEN TUCKER

NEW JERSEY PUBLIC BROADCASTING AUTHORITY
NJIT NJMTV RXONLY WLO382

NEW YORK STATE OF OFFICE GENERAL SRVCS
WNEP901 WNEP902 WNEP903 WNEP904 WNEP905 WNEP906
WNTQ212 WNTQ213

NEW YORK CELLULAR GEOGRAPHIC SRVC AREA
ARLING GARDEN GLEN O JERSEY LAIGHT SUNNYS
VARICK WLU805 WOBURN

NEW YORK CGSA FOR ALBANY
WLL876 WLL877

NEW YORK CITY HEALTH & HOSPITAL CORP
WNEV610 WNEV616 WNEV617 WBM570 WBM571 WCE302
WCE303

NEW YORK CITY POLICE DEPARTMENT
WNEG400 WNEX236

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

NEW YORK STATE ASSEMBLY
ONECOM SMITH

NEW YORK STATE ELECTRIC AND GAS
WNEU340 WNEU341

NEW YORK STATE HOSPITAL
WNET703 WNET704

NEW YORK TELEPHONE					
JOBBROA	BEACO	NEWBUR	WCG232	WCG233	WCG234
WCG235	WCG236	WCG237	WDD41	WLK824	WLK825
WLU996					

NEW YORK UNIVERSITY, TELECOM. DEP'T.
24OMER 26THST 3RDAVE EASTBL

NEW YORK, CITY OF BOARD OF EDUCATION
RXONLY WLE450

NORTHEASTERN PENNSYLVANIA CELLULAR TEL
WLC661 WLT592 WLW378

NORTHFIELD MT HERMON SCHOOL
MTHARM NORTHF

ORANGE COUNTY CELLULAR TELEPHONE CORP.
WLA311 WLV941

OTSEGO COUNTY, NEW YORK
WNTI976 WGY661 WHI952

PAINE-WEBBER
WNES834 WNES835

PHOENIX COMMUNICATIONS, INC.
20 EXC 3 EMPI CARLST EMPIRE

PORT AUTHORITY OF NEW YORK & NEW JERSEY
WCE399 WPO92

PROVIDENCE JOURNAL
PROVID WARREN WARWIC

PRUDENTIAL BACHE SECURITIES INC
WNES799 WNES800

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

PUTNAM COMPANIES

WNEW788 WNEW789 WNEW790 WNEW791

RANA INC

WNTG619 WNTG620

RCI NETWORK SERVICES

WHO343 WLC614

ROBERT PLAN INSURANCE CORPORATION

WNEC WNEQ883

SAINT JOSEPH HOSPITAL

WNEF345 WGY592

SANDERS ASSOCIATES

LITCHF MER-15 NCA NHQ REPEAT

SCHENECTADY COUNTY, NEW YORK/LAW ENFORCE

WHJ689 WHJ690 WHJ691

SCRIPPS HOWARD BROADCASTING CO, INC

ORIOLE USFGBL

SOUTHEASTERN PENNSYLVANIA AUTHORITY

WNES420 WEG496

SOUTHWESTERN BELL MOBILE SYSTEMS - MA

AUBURN	CALLAH	CAMBRI	NEEDHA	ROCKLA	S BOST
WEYMOU	WHO990	WHO991	WHO992	WHO993	WHO994
WHO997	WLL347	WLL564	WLL571	WLN798	WLN978
WLS759	WLS808	WLT477	WLU604	WLV734	WLW294
WML597					

SPEAR LEEDS AND KELLOGG INC

WNTS523 WNTS552

SPENCER GIFTS

WHH589 WHH590

STATE STREET BANK AND TRUST COMPANY

WNEK981 WNEK982 WNES610 WNES990 WNES991 PALMER

STATE UNIVERSITY OF NEW YORK

WNEW674 WNEW675

COMSEARCH
 11720 Sunrise Valley Drive
 Reston, Virginia 22091
 (703) 620-6300

SUBURBAN CABLE TV CO INC
 KINGPR NEWHOL WBM731 WHZ910

SUPERIOR CABLE TV
 UNIT30 UNIT90

SUSQUEHANNA CELLULAR COMM LTD PARTNERSHI
 WLC321 WLN992

TELEMARK NETWORKS, INC
 20EXCH NEW WLR460 WLR461 WLR462 WMK737

TELEMEDIA COMMUNICATIONS, INC
 PARKPL PARKWA PENNAV THEPHI

THE BOEING COMPANY
 WNEF240 WNEF241 WNEV573 WNEV574 WNEV575

TUFTS UNIVERSITY
 ADMINB EATONH WNEU811 WNEU812

URBAN CABLESYSTEMS CORPORATION
 RXONLY VIRGIN

WATCH TOWER BIBLE & TRACT SOCIETY OF NY
 WNEF888 WNEF889 WNEF890 WNEI862

WATERFRONT COMMUNICATIONS CORPORATION
 15COLU CNBC GIANTS PHOENI

WCAU-TV
 WCAUST WLQ391

WELCH ALLYN INC
 WNEZ438 WNEZ439

WEST CORP COMMUNICATIONS, INC.
 WNTF962 WNTF963 PENNSL WINDSO

WEST JERSEY HEALTH SYSTEM
 WNTM900 WNTM902 WNTM903 WNTM904

WESTCHESTER, COUNTY OF
 WNEE395 WNEZ897 RADIO WATER WESTCH

WHYY, INC.
 LIBERT MICRON WNEQ791 WNTC378 RXONLY

WILCO ELECTRONIC SYSTEMS, INC
 HARRIS IROQUO WNTQ955 QUEENL RITTEN SOUTHW

COMSEARCH
11720 Sunrise Valley Drive
Reston, Virginia 22091
(703) 620-6300

WILCO ELECTRONIC SYSTEMS, INC
CONTINUED
WILSON

WXTV-TV
WNTJ260 RXONLY

RESPECTFULLY SUBMITTED,
COMSEARCH



MICHAEL R. ROTH
ENGINEER
TRANSMISSION PLANNING SERVICES

ATTACHMENT C

VINCENT A. PEPPER
ROBERT F. CORAZZINI
PETER GUTHMANN
JOHN F. GARZIGLIA
NEAL J. FRIEDMAN
ELLEN S. MANDELL
HOWARD J. BARR
LOUISE CYBULSKI B.
JENNIFER L. RICHTER B.
B NOT ADMITTED IN D.C.

PEPPER & CORAZZINI

ATTORNEYS AT LAW
200 MONTGOMERY BUILDING
1776 K STREET, NORTHWEST
WASHINGTON, D. C. 20006
(202) 296-0600

COPY

ROBERT LEWIS THOMPSON
GREGG P. SKALL
WILLIAM J. FRANKLIN
C. THEODORE MALLYCK
OF COUNSEL
FREDERICK W. FORD
1908-1986
TELECOPIER (202) 296-5572

April 1, 1993

FCC/MELLON APR 01 1993

Federal Communications Commission
Microwave Service
P.O. Box 358250
Pittsburgh, PA 15251-5250

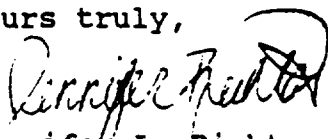
Re: Modification
WNTM-212 (Bristol Plaza)

Dear Sir or Madame:

On behalf of Liberty Cable Co., Inc., there is transmitted herewith an original and one copy, clearly designated "copy", of an Application For Authorization in the Private Operational Fixed Microwave Radio Service. The application requests modification of the authorization for WNTM-212, an 18 GHz microwave station located at 205 East 64th Street (Bristol Plaza), New York, NY.

A check in the amount of \$155.00 is enclosed as payment of the required filing fee. Should there be any questions, kindly communicate directly with the undersigned.

Yours truly,


Jennifer L. Richter
Counsel for Liberty Cable
Co., Inc.

Enclosure

APPLICATION FOR STATION AUTHORIZATION IN THE
PRIVATE OPERATIONAL FIXED MICROWAVE RADIO SERVICE

Approved by OMB
5010-106-01
Expires 10/31/92
See instructions for information
regarding public burden estimate

COPY

FOR COMMISSION USE ONLY


FILE NUMBER:

792858

SEND TO ASB: ☐ YES ☐ NO

FOR APPLICANT: Use FCC Form 402 Instructions dated December, 1989, or later for reference in completing form.

SECTION I-IDENTIFICATION INFORMATION

1. NAME OF APPLICANT: LIBERTY CABLE CO., INC.		3. CALL SIGN: (If application refers to an existing Part 94 station) WNTM-212	
2. MAILING ADDRESS: (No., street, city, state, ZIP code) 215 E. 95th Street New York, NY 10128		4. LICENSEE IDENTIFICATION NUMBER: (If previously assigned by the Commission) 005203-200	
<input type="checkbox"/> Check here if you are a current Part 94 licensee and your mailing address, item 2, IS NOT the address on file.		5A. NAME OF PERSON TO CONTACT REGARDING APPLICATION: Jennifer L. Richter, Esq.	
6. TYPE OF APPLICANT: <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> ASSOCIATION <input type="checkbox"/> PARTNERSHIP <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> GOVERNMENTAL ENTITY		5B. TELEPHONE NUMBER OF THE CONTACT: (202) 296-0600	
9A. PURPOSE OF APPLICATION: <input type="checkbox"/> NEW STATION <input checked="" type="checkbox"/> MODIFICATION (SEE 9B & 9C) <input type="checkbox"/> MODIFICATION WITH RENEWAL (SEE 9B & 9C) <input type="checkbox"/> ASSIGNMENT OF AUTHORIZATION <input type="checkbox"/> OTHER (SPECIFY) 		7. CLASS OF STATION: (enter code) FXO	
		8. ELIGIBILITY RULE SECTION 90.75(a)(1)	
9B.	PATH	ACTION	OLD VALUE OF KEY ITEMS CHANGED
	A	<input type="checkbox"/> ADD <input checked="" type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	20 EXH 1 30 V 31 303.329 32 WNTM-212
	B	<input checked="" type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	20 30 31 32
	C	<input checked="" type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	20 30 31 32
	D	<input checked="" type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	20 30 31 32
	E	<input checked="" type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	20 30 31 32

2. DESCRIBE ANY OTHER CHANGES:

10. WILL THIS SYSTEM BE USED TO PROVIDE A COMMUNICATIONS PRIVATE CARRIER SERVICE TO OTHERS? ☐ YES ☒ NO

SECTION II-ANTENNA INFORMATION

11. LOCATION OF TRANSMITTING ANTENNA STRUCTURE:			
A. NUMBER AND STREET: (or other specific indication) 205 East 64th Street (Bristol Plaza)		B. CITY: New York	
C. COUNTY: New York	D. STATE: NY	E. COORDINATES: (Degrees, Minutes, Seconds) LATITUDE: 40-45-53 N LONGITUDE: 73-57-48 W	
12A. IS THE ANTENNA TO BE MOUNTED ON AN EXISTING ANTENNA STRUCTURE? IF YES, ANSWER ITEMS 12B, C, D, & E. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
12B. WILL THE ANTENNA INCREASE THE HEIGHT OF THE EXISTING STRUCTURE? IF YES, BY HOW MANY FEET? <input type="checkbox"/> YES <input type="checkbox"/> NO			
12C. NAME OF CURRENT LICENSEE USING STRUCTURE:		FOR COMMISSION USE ONLY ASB:	
12D. CURRENT LICENSEE'S RADIO SERVICE:			
12E. CURRENT LICENSEE'S CALL SIGN:			
13. FOR ANTENNA TOWERS (OR POLES) MOUNTED ON THE GROUND: ENTER THE OVERALL HEIGHT ABOVE GROUND OF THE ENTIRE ANTENNA (OR POLE) INCLUDING ALL ANTENNAS, DISHES, LIGHTNING RODS, OBSTRUCTION LIGHTING, ETC. MOUNTED ON IT FT			
14. FOR ANTENNAS OR ANTENNA TOWERS (OR POLES) MOUNTED ON A SUPPORTING STRUCTURE SUCH AS A BUILDING, WATER TOWER, SMOKE STACK, ETC:			
14A. WHAT IS THE OVERALL HEIGHT ABOVE GROUND OF THIS SUPPORTING STRUCTURE? INCLUDE IN THIS HEIGHT ANY ELEVATOR SHAFTS, PENTHOUSES, LIGHTNING RODS, LIGHTS, ETC., WHICH ARE NOT PART OF THE ANTENNA TOWER (OR POLE) 530 FT			
4B. HOW MANY FEET DOES THE ANTENNA TOWER (OR POLE) (INCLUDING ALL ANTENNAS, DISHES, LIGHTNING RODS, LIGHTS, ETC.) INCREASE THE HEIGHT OF THE SUPPORTING STRUCTURE IN ITEM 14A? IF THIS ANTENNA OR ANTENNA TOWER (OR POLE) DOES NOT INCREASE THE HEIGHT OF THE SUPPORTING STRUCTURE, ENTER ZERO (0) 0 FT			
14C. WHAT IS THE OVERALL HEIGHT OF THIS SUPPORTING STRUCTURE PLUS THE ANTENNA TOWER (OR POLE)? 530 FT			
15. GIVE THE GROUND ELEVATION ABOVE MEAN SEA LEVEL AT THE ANTENNA SITE 60 FT			
16A. NAME OF NEAREST AIRCRAFT LANDING AREA: La Guardia		16B. DIRECTION AND DISTANCE TO NEAREST RUNWAY: E.N.E. 4.9 miles	

17A. Has notice of construction been filed with the FAA on FAA Form 7460-1? If yes, answer items 17B, C, and D. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
17B. NAME UNDER WHICH YOU FILED:	17C. FAA REGIONAL OFFICE: (City)
17D. DATE FILED:	
8. Would a Commission grant of your application be an action which may have a significant environmental effect as defined by Section 1.1307 of the Commission's Rules? See Instruction 18. If you answer yes, submit the statement as required by Sections 1.1308 and 1.1311. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
19. If this is an existing station, enter the year it was first licensed: 1992	

SECTION III—TECHNICAL INFORMATION SEE ATTACHED

NAME OF ITEM	A	B	C	D	E
20. Frequency (MHz)	18145.0	18517.0			
21. Bandwidth (kHz) and Emission Type					
22. Type of Message Service					
23. Initial Baseband Channel Loading					
24. 10 yr. Projected Baseband Channel Loading					

TRANSMITTER INFORMATION

NAME OF ITEM	A	B	C	D	E
25. Transmitter Operating Frequency Tolerance (%)					
26. Antenna Gain (dBi)					
27. Effective Isotropic Radiated Power (dBm)					
28. Beamwidth (Degrees)					
29. Height to Center of Final Radiating Element (Ft)					
30. Polarization					
31. Azimuth to Receive Site or Passive Repeater (PR) No. 1 (Degrees)					

RECEIVE SITE INFORMATION

NAME OF ITEM	A	B	C	D	E
32. Receiving Station's Call Sign					
33. Receiving Antenna Gain (dBi)					
34. Median Received Signal Level at Input to the Receiver (dBm)					
35. Latitude N (Degrees, Minutes, Seconds)					
36. Longitude W (Degrees, Minutes, Seconds)					
37. Ground Elevation AMSL (Ft)					
38. Height to Center of Receiving Antenna (Ft)					

PASSIVE REPEATER NO. 1 INFORMATION (IF ANY)

☐ If you have two or more passive repeaters on the same transmission path, check this box and answer items 39-46 on an additional FCC Form 402 or a separate sheet of paper for the second and successive passive repeaters.

NAME OF ITEM	A	B	C	D	E
39. Latitude N (Degrees, Minutes, Seconds)					
40. Longitude W (Degrees, Minutes, Seconds)					
41. Ground Elevation AMSL (Ft)					
42. Overall Height of PR Structure Above Ground (Ft)					
43. Dimensions (Ft X Ft) or Beamwidth (for dishes) (Degrees)					
44. Height Above Ground to Center of PR (Ft)					
45. Polarization					
46. Azimuth to Receive Site or Next PR (Degrees)					

SECTION IV—CERTIFICATION

1. Applicant certifies that a copy of CFR 47, Part 94 has been retained for reference.
2. Applicant waives any claim to the use of any particular frequency regardless of prior use by licensee or otherwise.
3. Applicant will have unlimited access to the radio equipment and will control access and exclude unauthorized persons.
4. Neither applicant nor any member thereof is a foreign government or representative thereof.
5. Applicant will utilize type accepted radio equipment and antenna of correct specifications.
6. Applicant certifies that all statements made in this application and attachments are true and complete.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ATTACHMENTS ARE PUNISHABLE BY FINE AND IMPRISONMENT U.S. CODE TITLE 18 SECTION 1001

TYPED NAME: Bruce McKinnon	TITLE: Executive Vice President
--------------------------------------	---

SIGNATURE of individual, partner, official of a governmental entity, officer or authorized employee of a corporation, or officer who is also a member of the association. <i>Bruce M. McKinnon</i>	DATE: 3/25/93
---	-------------------------

NOTICE TO INDIVIDUALS REQUIRED BY PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980
 Sections 301, 303, and 308 of the Communications Act of 1934, as amended, (licensing powers) authorize the FCC to request the information on this application. The purpose of the information is to determine your eligibility for a license. The information will be used by FCC staff to evaluate the application, to determine station location, to provide information for enforcement and rule-making proceedings and to maintain a current inventory of licensees. No license can be granted unless all information requested is provided. Your response is required to obtain this authorization.

FCC FORM 402 ENGINEERING DATA

SECTION III-TECHNICAL INFORMATION

TRANSMITTER SITE NAME : 205 EAST 64 , NY
TRANSMITTER COORDINATES : 40 45 53.0 N
73 57 48.0 W

20. FREQUENCY (MHZ): SEE EXHIBIT
21. EMISSION: SEE EXHIBIT
22. TYPE OF MESSAGE SERVICE: VIDEO
23. INITIAL BASEBAND CHANNEL LOADING: 1
24. 10 YR PROJ. BASEBAND CHANNEL LOAD: 1

TRANSMITTER INFORMATION

25. OPERATING FREQ. TOL(%): 0.000500
26. ANTENNA GAIN (DBI): 44.7
27. EFFECTIVE RADIATED POWER (DBM): 25.7
28. BEAM WIDTH (DEGREES): 0.9
29. CENTER OF RADIATING ELEMENT (FT): 520.0
30. POLARIZATION: V
31. AZIMUTH TO NEXT STATION OR PR1(DEG): 348.075

RECEIVER INFORMATION

RECEIVER SITE NAME : 733 PARK AVE, NY

32. CALL SIGN:
33. RECEIVING ANTENNA GAIN (DBI): 48.2
34. MEDIAN RECEIVED SIGNAL LEVEL (DBM): -39.1
35. LATITUDE N. (DD MM SS): 40 46 11.0
36. LONGITUDE W. (DDD MM SS): 73 57 53.0
37. GROUND ELEVATION AMSL (FT): 75.0
38. HT. TO RECEIVING ANTENNA (FT): 335.0

SUPPLEMENTAL INFORMATION

TRANSMITTER INFORMATION

TRANSMITTER ANTENNA MAKE: CABLEWAVE SYSTEMS
TRANSMITTER ANTENNA MODEL: PA4-190
EQUIPMENT MAKE: HUGHES AIRCRAFT CO
EQUIPMENT MODEL: D0063QAMLMOT18120

RECEIVER INFORMATION

RECEIVING ANTENNA MAKE: CABLEWAVE SYSTEMS
RECEIVING ANTENNA MODEL: PA6-190

FCC FORM 402 ENGINEERING DATA

SECTION III-TECHNICAL INFORMATION

TRANSMITTER SITE NAME : 205 E 64TH , NY
TRANSMITTER COORDINATES : 40 45 53.0 N
73 57 48.0 W

20. FREQUENCY (MHZ): SEE EXHIBIT
21. EMISSION: SEE EXHIBIT
22. TYPE OF MESSAGE SERVICE: VIDEO
23. INITIAL BASEBAND CHANNEL LOADING: 1
24. 10 YR PROJ. BASEBAND CHANNEL LOAD: 1

TRANSMITTER INFORMATION

25. OPERATING FREQ. TOL(%): 0.003000
26. ANTENNA GAIN (DBI): 44.7
27. EFFECTIVE RADIATED POWER (DBM): 19.7
28. BEAM WIDTH (DEGREES): 0.9
29. CENTER OF RADIATING ELEMENT (FT): 520.0
30. POLARIZATION: H
31. AZIMUTH TO NEXT STATION OR PR1(DEG): 19.211

RECEIVER INFORMATION

RECEIVER SITE NAME : 175 E 74TH , NY

32. CALL SIGN:
33. RECEIVING ANTENNA GAIN (DBI): 48.2
34. MEDIAN RECEIVED SIGNAL LEVEL (DBM): -47.9
35. LATITUDE N. (DD MM SS): 40 46 17.0
36. LONGITUDE W. (DDD MM SS): 73 57 37.0
37. GROUND ELEVATION AMSL (FT): 55.0
38. HT. TO RECEIVING ANTENNA (FT): 245.0

SUPPLEMENTAL INFORMATION

TRANSMITTER INFORMATION

TRANSMITTER ANTENNA MAKE:	CABLEWAVE SYSTEMS
TRANSMITTER ANTENNA MODEL:	PA4-190
EQUIPMENT MAKE:	HUGHES AIRCRAFT CO
EQUIPMENT MODEL:	DOO63QAMLMR18125

RECEIVER INFORMATION

RECEIVING ANTENNA MAKE:	CABLEWAVE SYSTEMS
RECEIVING ANTENNA MODEL:	PA6-190

FCC FORM 402 ENGINEERING DATA

SECTION III-TECHNICAL INFORMATION

TRANSMITTER SITE NAME : 205 E 64TH , NY
 TRANSMITTER COORDINATES : 40 45 53.0 N
 73 57 48.0 W

20. FREQUENCY (MHZ): SEE EXHIBIT
 21. EMISSION: SEE EXHIBIT
 22. TYPE OF MESSAGE SERVICE: VIDEO
 23. INITIAL BASEBAND CHANNEL LOADING: 1
 24. 10 YR PROJ. BASEBAND CHANNEL LOAD: 1

TRANSMITTER INFORMATION

25. OPERATING FREQ. TOL(%): 0.003000
 26. ANTENNA GAIN (DBI): 44.7
 27. EFFECTIVE RADIATED POWER (DBM): 19.7
 28. BEAM WIDTH (DEGREES): 0.9
 29. CENTER OF RADIATING ELEMENT (FT): 520.0
 30. POLARIZATION: V
 31. AZIMUTH TO NEXT STATION OR PR1(DEG): 172.603

RECEIVER INFORMATION

RECEIVER SITE NAME : 400 EAST 59T, NY

32. CALL SIGN:
 33. RECEIVING ANTENNA GAIN (DBI): 48.2
 34. MEDIAN RECEIVED SIGNAL LEVEL (DBM): -46.1
 35. LATITUDE N. (DD MM SS): 40 45 32.5
 36. LONGITUDE W. (DDD MM SS): 73 57 44.5
 37. GROUND ELEVATION AMSL (FT): 53.0
 38. HT. TO RECEIVING ANTENNA (FT): 198.0

SUPPLEMENTAL INFORMATION

TRANSMITTER INFORMATION

TRANSMITTER ANTENNA MAKE:	CABLEWAVE SYSTEMS
TRANSMITTER ANTENNA MODEL:	PA4-190
EQUIPMENT MAKE:	HUGHES AIRCRAFT CO
EQUIPMENT MODEL:	DOO63QAMLMR18125

RECEIVER INFORMATION

RECEIVING ANTENNA MAKE:	CABLEWAVE SYSTEMS
RECEIVING ANTENNA MODEL:	PA6-190

FCC FORM 402 ENGINEERING DATA

SECTION III-TECHNICAL INFORMATION

TRANSMITTER SITE NAME : 205 E 64TH , NY
TRANSMITTER COORDINATES : 40 45 53.0 N
73 57 48.0 W

20. FREQUENCY (MHZ): SEE EXHIBIT
21. EMISSION: SEE EXHIBIT
22. TYPE OF MESSAGE SERVICE: VIDEO
23. INITIAL BASEBAND CHANNEL LOADING: 1
24. 10 YR PROJ. BASEBAND CHANNEL LOAD: 1

TRANSMITTER INFORMATION

25. OPERATING FREQ. TOL(%): 0.003000
26. ANTENNA GAIN (DBI): 44.7
27. EFFECTIVE RADIATED POWER (DBM): 19.7
28. BEAM WIDTH (DEGREES): 0.9
29. CENTER OF RADIATING ELEMENT (FT): 520.0
30. POLARIZATION: V
31. AZIMUTH TO NEXT STATION OR PR1(DEG): 281.347

RECEIVER INFORMATION

RECEIVER SITE NAME : 812, 5TH AVE, NY

32. CALL SIGN:
33. RECEIVING ANTENNA GAIN (DBI): 48.2
34. MEDIAN RECEIVED SIGNAL LEVEL (DBM): -47.0
35. LATITUDE N. (DD MM SS): 40 45 57.5
36. LONGITUDE W. (DDD MM SS): 73 58 17.5
37. GROUND ELEVATION AMSL (FT): 52.0
38. HT. TO RECEIVING ANTENNA (FT): 240.0

SUPPLEMENTAL INFORMATION

TRANSMITTER INFORMATION

TRANSMITTER ANTENNA MAKE:	CABLEWAVE SYSTEMS
TRANSMITTER ANTENNA MODEL:	PA4-190
EQUIPMENT MAKE:	HUGHES AIRCRAFT CO
EQUIPMENT MODEL:	DOO63QAMLMR18125

RECEIVER INFORMATION

RECEIVING ANTENNA MAKE:	CABLEWAVE SYSTEMS
RECEIVING ANTENNA MODEL:	PA6-190

FCC FORM 402 ENGINEERING DATA

SECTION III-TECHNICAL INFORMATION

TRANSMITTER SITE NAME : 205 EAST 64 , NY
TRANSMITTER COORDINATES : 40 45 53.0 N
73 57 48.0 W

20. FREQUENCY (MHZ): SEE EXHIBIT
21. EMISSION: SEE EXHIBIT
22. TYPE OF MESSAGE SERVICE: VIDEO
23. INITIAL BASEBAND CHANNEL LOADING: 1
24. 10 YR PROJ. BASEBAND CHANNEL LOAD: 1

TRANSMITTER INFORMATION

25. OPERATING FREQ. TOL(%): 0.000500
26. ANTENNA GAIN (DBI): 44.7
27. EFFECTIVE RADIATED POWER (DBM): 20.7
28. BEAM WIDTH (DEGREES): 0.9
29. CENTER OF RADIATING ELEMENT (FT): 520.0
30. POLARIZATION: V
31. AZIMUTH TO NEXT STATION OR PR1(DEG): 307.496

RECEIVER INFORMATION

RECEIVER SITE NAME : 116 EAST 66T, NY

32. CALL SIGN:
33. RECEIVING ANTENNA GAIN (DBI): 48.2
34. MEDIAN RECEIVED SIGNAL LEVEL (DBM): -40.0
35. LATITUDE N. (DD MM SS): 40 46 0.0
36. LONGITUDE W. (DDD MM SS): 73 58 0.0
37. GROUND ELEVATION AMSL (FT): 60.0
38. HT. TO RECEIVING ANTENNA (FT): 147.0

SUPPLEMENTAL INFORMATION

TRANSMITTER INFORMATION

TRANSMITTER ANTENNA MAKE: CABLEWAVE SYSTEMS
TRANSMITTER ANTENNA MODEL: PA4-190
EQUIPMENT MAKE: HUGHES AIRCRAFT CO
EQUIPMENT MODEL: DOO63QAMLMOT18120

RECEIVER INFORMATION

RECEIVING ANTENNA MAKE: CABLEWAVE SYSTEMS
RECEIVING ANTENNA MODEL: PA6-190

EXHIBIT #1

<u>FREQUENCY</u>	<u>EMISSION DESIGNATOR</u>
18145.0	5750A5C/250F3
18151.0	5750A5C/250F3
18157.0	5750A5C/250F3
18163.0	100AO
18169.0	5750A5C/250F3
18175.0	5750A5C/250F3
18181.0	5750A5C/250F3
18187.0	5750A5C/250F3
18193.0	5750A5C/250F3
18199.0	5750A5C/250F3
18205.0	5750A5C/250F3
18211.0	5750A5C/250F3
18217.0	5750A5C/250F3
18223.0	5750A5C/250F3
18229.0	5750A5C/250F3
18235.0	5750A5C/250F3
18241.0	5750A5C/250F3
18247.0	5750A5C/250F3
18253.0	5750A5C/250F3
18259.0	5750A5C/250F3
18265.0	5750A5C/250F3
18271.0	5750A5C/250F3
18277.0	5750A5C/250F3
18283.0	5750A5C/250F3
18289.0	5750A5C/250F3
18295.0	5750A5C/250F3
18301.0	5750A5C/250F3
18307.0	5750A5C/250F3
18313.0	5750A5C/250F3
18319.0	5750A5C/250F3
18325.0	5750A5C/250F3
18331.0	5750A5C/250F3
18337.0	5750A5C/250F3
18343.0	5750A5C/250F3
18349.0	5750A5C/250F3
18355.0	5750A5C/250F3
18361.0	5750A5C/250F3
18367.0	5750A5C/250F3
18373.0	5750A5C/250F3
18379.0	5750A5C/250F3
18385.0	5750A5C/250F3
18391.0	5750A5C/250F3
18397.0	5750A5C/250F3
18403.0	5750A5C/250F3
18409.0	5750A5C/250F3
18415.0	5750A5C/250F3
18421.0	5750A5C/250F3
18427.0	5750A5C/250F3
18433.0	5750A5C/250F3
18439.0	5750A5C/250F3
18445.0	5750A5C/250F3

EXHIBIT #1 CONTINUED

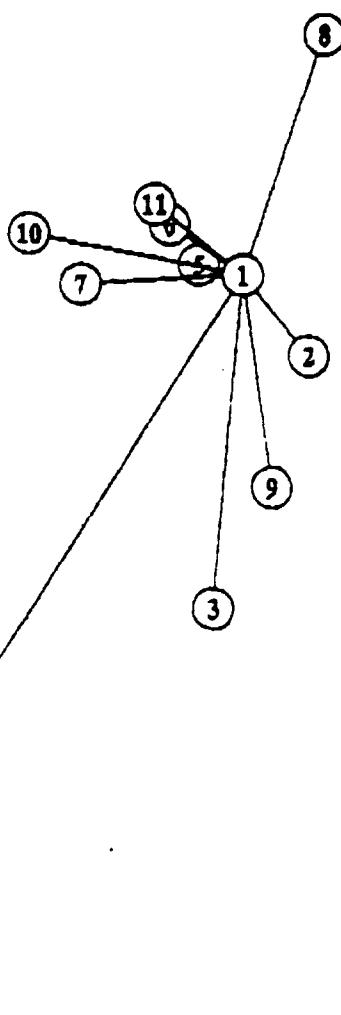
<u>FREQUENCY</u>	<u>EMISSION DESIGNATOR</u>
18451.0	5750A5C/250F3
18457.0	5750A5C/250F3
18463.0	5750A5C/250F3
18469.0	5750A5C/250F3
18475.0	5750A5C/250F3
18481.0	5750A5C/250F3
18487.0	5750A5C/250F3
18493.0	5750A5C/250F3
18499.0	5750A5C/250F3
18505.0	5750A5C/250F3
18511.0	5750A5C/250F3
18517.0	5750A5C/250F3
18523.0	5750A5C/250F3
18529.0	5750A5C/250F3
18535.0	5750A5C/250F3
18541.0	5750A5C/250F3
18547.0	5750A5C/250F3
18553.0	5750A5C/250F3
18559.0	5750A5C/250F3
18565.0	5750A5C/250F3
18571.0	5750A5C/250F3
18577.0	5750A5C/250F3

STATEMENT OF ELIGIBILITY AND USE

Applicant is engaged in the operation of a commercial activity as a provider of video entertainment programming to customers. Therefore, Applicant is eligible for operational-fixed microwave frequencies under section 90.75(a)(1) of the Commission's rules.

Applicant proposes to distribute its own products and services to customers using operational-fixed frequencies in the band 18,142-18,580 MHz. Pursuant to section 94.31(j) of the Commission's rules, the nature of the products and services to be distributed are described below. Applicant is the owner and operator of various private cable (SMATV) systems and proposes the point-to-point distribution of video entertainment material to private cable buildings and ultimately subscribers to the service. Section 94.9(a)(1) of the Commission's rules prohibits the distribution of video entertainment material to customers on frequencies below 21,200 MHz except as provided in Section 94.61(b) and Section 94.9(a)(2). Section 94.9(a)(2) authorizes a licensee to transmit any of its own products or services, including video entertainment programming, to any receiving location on frequencies in the 18,142-18,580 MHz band. Thus, Applicant's proposed use of the 18,142-18,580 MHz band frequencies is consistent with the Commission's rules.

FUNCTIONAL SYSTEM DIAGRAM



SITE INFORMATION

- ① BRISTOL PLAZA
LAT: 40 - 45 - 53.0
LONG: 73 - 57 - 48.0
- ② 340
LAT: 40 - 45 - 45.0
LONG: 73 - 57 - 39.0
- ③ RIVER TOWER
LAT: 40 - 45 - 20.0
LONG: 73 - 57 - 52.0
- ④ WINDSOR COURT
LAT: 40 - 44 - 41.0
LONG: 73 - 58 - 50.0
- ⑤ 160 EAST 65TH STREET
LAT: 40 - 45 - 54.0
LONG: 73 - 57 - 54.0
- ⑥ 733 PARK AVENUE
LAT: 40 - 45 - 58.0
LONG: 73 - 57 - 58.0
- ⑦ 540 PARK AVENUE
LAT: 40 - 45 - 52.0
LONG: 73 - 58 - 10.0
- ⑧ 175 EAST 74TH STREET
LAT: 40 - 46 - 17.0
LONG: 73 - 57 - 37.0
- ⑨ 400 EAST 59TH STREET
LAT: 40 - 45 - 32.0
LONG: 73 - 57 - 44.0
- ⑩ 812 5TH AVENUE
LAT: 40 - 45 - 57.0
LONG: 73 - 58 - 17.0
- ⑪ 116 EAST 66TH STREET
LAT: 40 - 46 - 0.0
LONG: 73 - 58 - 0.0

LIBERTY CABLE COMPANY
18 GHZ CABLE SYSTEM



COMSEARCH